RICHA BHATIA
Available – June 2018

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Skills and Certificates

Programming Languages and Frameworks: Java, Python, Flask, Spring MVC, Spring Boot
Web Technologies and Tools: HTML5, CSS3, JavaScript, AngularJS, ReactJS, jQuery, Socket.io, Junit, JMeter, Jersey, Amazon Web Services, Heroku, PowerBI
Collaboration Tools and Build Tools: CVS, Git, Travis CI, Maven, Gradle, Jira, Jenkins
Database Management Systems: MySQL, Oracle, SQL, Google Firebase, MongoDB, DynamoDB, Hibernate, InfluxDB

Education

Northeastern University, Boston, MA   **Expected June 2018**
Master of Science, Information Systems (**GPA – 3.68**)

University of Mumbai, Mumbai, India   **May 2013**
Bachelor of Engineering, Computer Engineering

Professional Experience

PayPal Inc. – Boston, *Software Engineer Co-op*   **May 2017 – Present**
- Developed a web application for Performance Analytics using **Python Flask**, **AWS Boto3**, **Socket.io** for creating on demand **EC2** clusters on cloud for running **JMeter** Tests in instances and uploading the test results to **Amazon S3**
- Created the front end of the application using **ReactJS, Bootstrap, jQuery and Webpack**. Utilized LDAP login service to authenticate enterprise users along with **AWS IAM** role management
- Integrated **Datadog** on remote Tomcat servers in Staging and QA environment using **JMX Remote** and queried **Datadog API** using aggregation methods to fetch CPU, Memory, IO server metrics and health statistics using **Python**
- Fixed **UI** errors like duplicate coupon creation, missing case check and developed intuitive error handling in Merchant Self Service Portal on **PayPal Platform** using Groovy Grails and JavaScript
- Developed **CustomJMeterEngine** to create JMeter scripts and integrate **InfluxDB** Backend Listener for forwarding JMeter results to **Grafana** dashboard for querying and plotting

Tata Consultancy Services - Mumbai, *Software Developer*   **Dec 2013 – Jul 2016**
- Developed the front end for several hybrid mobile applications using **HTML5, CSS 3, JavaScript, jQuery, Bootstrap, AngularJS** and created the native builds for mobile platforms **Android** and **iOS** using Apache Cordova
- Extensively worked on **RESTful web services**, database integration and data parsing using **JSON** and **XML** formats Created **Web service API** to upload multiple image files to enable integration with Document Management System
- Implemented and deployed web services based on Java API using **Jersey** framework (**JAX-RS** technology), integrated SSL certificate, encryption algorithms and generated log files using **Apache log4j** using regular expressions
- Developed end points based on **JAX-WS** technology and created complex **SOAP** based web services using **Apache Axis 2** framework and data parsing in XML format and constructed PDF reports based using iText library

Academic Projects

- **Let-It-Go Application:** Designed and built fault tolerant web application using Spring REST Web services hosted on cloud computing platform (Amazon Web Services) using IaaS, PaaS & SaaS services such as EC2, EBS, Route53, SES, ELB, CloudWatch, IAM, RDS, NoSQL (DynamoDB) and S3 object store. Implemented Continuous Delivery using Github, TravisCI and Amazon CodeDeploy
- **Foodister:** Developed a Spring MVC and Hibernate web application for restaurant review and order management. Created the responsive UI and client side validations using AngularJS, jQuery and AJAX. Implemented Spring REST with HATEOS to create various APIs for login, fetching and searching restaurants, ratings and menu
- **NUFinder Application:** Deployed a full-stack web application using HTML5, CSS3, AngularJS, JavaScript, jQuery and Firebase. Integrated Google Maps API to detect location, provide autocomplete suggestions based on user input and plot results on a map. Created controllers, directives and filters using AngularJS
- **Kayak Database Management System:** Designed a database system in Microsoft Visio for Kayak.com's operations and performed analysis to gather search trends and increase bookings. Implemented computed columns, table column encryption, constraints, views and stored procedures in Microsoft SQL Server. Created detailed PowerBI reports

Leadership and Volunteer Experience

- **Vice President**, Northeastern Grad Women Coders- a student body supporting women in Tech   **Jan 2017 – Apr 2017**
- **Tech Volunteer,** ChickTech's ACT-W Boston Conference- a STEM annual conference   **Aug 2017**